

Product datasheet for SC319267

RITA (RITA1) (NM_032848) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RITA (RITA1) (NM_032848) Human Untagged Clone
Tag:	Tag Free
Symbol:	RITA
Synonyms:	C12orf52; RITA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	<p>>OriGene sequence for NM_032848.1</p> <pre> CCGATGCCTACGAGCCAAGATGCTCAGCTTTATAGGTGTGACCTACACATGTGACTTCAC CTCAGTTTTGTGATCCGTAAAATGGACAAATTCGAAGCTACTTCACAGTGTGTTGAGAG GATTAAATGAAACAATGCTTGTAAAGCTCTTTCAGGAGGGAGCCTCGGAAGCAGGGCCT GGCCGGCAGAGCACACCTGCTGTCAACCAGGGACCACAGGCAGCATGAAGACCCCGTGG GCTGGCCGTCAAGTGGGATGCAGACCCTCGGCCTCAGCACCGCTGCCGAGGTGGTACCG GGTCAAGGCCAGGACGTATGTGGATGAGACTCTGTTTGGCAGCCAGCAGGCACCCG GCCTACCCACCCGACTTCGATCCGCCCTGGGTGGAGAAGGCTAACAGAACCAGAGGCGT GGGCAAGGAGGCATCGAAGGCCCTGGGGGCAAAGGGGAGCTGTGAGACCACCCCTCAAG GGGCAGCACCCACCCTCACACCAAGGAAGAAGAACAATAACAGACCCATCAGCCACAC CCCGTCTTACTGTGATGAGTCGCTGTTTGGCTCCCGATCTGAAGGCGCCAGCTTCGGGGC CCCGCGGATGGCGAAGGGGGATGCCGAAAGCTCCGTGCTCTTGTGGACGCCACCACC TACCCCAAGGGGTAGCCACTCGCCCCGCCAGGGAGGCACCACTGCGAGCCATTACCC AGCTGGTCCCTCCAAGACAGAGCCGGGGCCAGCGGCAGACTCCCAGAAGTTATCTATGGG TGGGTTACTACTTTCACGCCCTTGAAGCGGGGACTTTCCATTCCCTCACCCACCTGAA TGTCCCCAGCACTGGTCAATCCAGCCACCAGTCCCCCACACAAATGGGCCTCAGGATCT CAGGCCTTCCACGTCAGGGGTGACCTTCCGGAGCCCCCTGGTACTTCCAGGGCTCGCTC AGTTAGCATTTTCAGTGCCATCTACCCACGACGAGGTGGGGCCACCCAGAAACCAAGCC CCCTTGGAAATGATACTTTTCATCAGGGTTGCCTATGGGGCCACGGCGACAGGTATGGC CCCTTGCCAGGGTAGGAGGACATTCATCACCCAGGGAACCCAGGTATTAAGAAGCCCC TGTGGGGGCAGACAGACATAGCAGGGGTGGGCAGTGCCTCCCTTTATCCTGACAATCTCT AGTCGATTCTTGCTTTTTCTCCGATTGCGGATTTGGGGCCACCTCTAAGATGCCTCT CTCCAGCCCTGTCTCAACCATACTCCAAATTAGTGCCAACCCAGGGGCCTGGCACCTCCC ACATCATCCATTGTCTTGCTGCCAAGTGCGAATAAACGGCGTGATTGCCAAAAAAAAAAAA AAAAAAAAAAAAAAAAAAAAAAAAAAAA</pre>
Restriction Sites:	Please inquire



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ACCN:	NM_032848
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_032848.1</u> , <u>NP_116237.1</u>
RefSeq Size:	1775 bp
RefSeq ORF:	810 bp
Locus ID:	84934
UniProt ID:	<u>Q96K30</u>
Cytogenetics:	12q24.13
Gene Summary:	<p>Tubulin-binding protein that acts as a negative regulator of Notch signaling pathway. Shuttles between the cytoplasm and the nucleus and mediates the nuclear export of RBPJ/RBPSUH, thereby preventing the interaction between RBPJ/RBPSUH and NICD product of Notch proteins (Notch intracellular domain), leading to down-regulate Notch-mediated transcription. May play a role in neurogenesis.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the shorter isoform (1).</p>